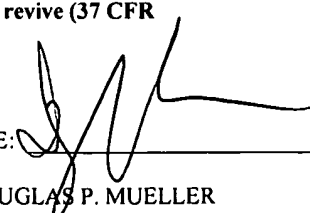


473 Rec'd PCT/PTO 26 APR 2005

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|--|---|---|--|
| FORM PTO-1390 (REV 10-94) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER 10873.1894USWO |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) UNKNOWN 10/577269 |
| INTERNATIONAL APPLICATION NO. PCT/JP2004/015847 | INTERNATIONAL FILING DATE OCTOBER 26, 2004 | PRIORITY DATE CLAIMED OCTOBER 27, 2003 | |
| TITLE OF INVENTION COOLING DEVICE | | | |
| APPLICANT(S) FOR DO/EO/US ISHII et al. | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input checked="" type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11. to 16. below concern document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 Form 1449, 2 references, copy of International Search Report (Form PCT/ISA/210). 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment, marked-up copy of Specification, clean copy (Substitute) Specification. <input type="checkbox"/> A SECOND of SUBSEQUENT preliminary amendment. 14. <input checked="" type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. <input checked="" type="checkbox"/> Other items or information: Application Data Sheet (3 pages), International Publication Page(s) of WO 2005/015847, Communication re: Requested Figure, Form PCT/IPEA/409 (in Japanese language), Form PCT/IB/304, Form PCT/IB/308. | | | |

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|---|--------------|---|---|--------------------------|----------|
| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) | | INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NUMBER | |
| UNKNOWN 10/577269 | | PCT/JP2004/015847 | | 10873.1894USWO | |
| BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)): | | | | | |
| [X] a) Basic National fee..... | | | | \$300.00 | \$300.00 |
| [X] b) Examination fee..... | | | | \$200.00 | \$200.00 |
| [X] c) Search fee..... | | | | \$500.00 | \$500.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$1000.00 | |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | | Rate | |
| 32 - 100 = | 0 /50 = | | | X \$250.00 | \$0.00 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$0.00 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 12 -20 = | 0 | X \$50.00 | \$0.00 | |
| Independent claims | 1 -3 = | 0 | X \$200.00 | \$0.00 | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.00 | \$0.00 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$1000.00 | |
| Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27 | | | | \$0.00 | |
| SUBTOTAL = | | | | \$1000.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | + \$0.00 | |
| TOTAL NATIONAL FEE = | | | | \$1000.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | + \$40.00 | |
| TOTAL FEES ENCLOSED = | | | | \$1040.00 | |
| | | | | Amount to be: refunded | \$0.00 |
| | | | | charged | \$0.00 |
| <p>a. [X] Check(s) in the amount of <u>\$1040.00</u> to cover the above fees is enclosed.</p> <p>b. [] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-3478</u>.</p> | | | | | |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> | | | | | |
| <p>SEND ALL CORRESPONDENCE TO: DOUGLAS P. MUELLER Hamre, Schumann, Mueller & Larson, P.C. P.O. Box 2902-0902 Minneapolis, MN 55402</p> | | | <p>SIGNATURE: </p> <p>NAME: DOUGLAS P. MUELLER REGISTRATION NUMBER: 30,300</p> | | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/577269

Applicant: ISHII et al.
 Docket: 10873.1894USWO
 Title: COOLING DEVICE

IAP12 Rec'd PCT/PTO 26 APR 2006

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 858803569 US

Date of Deposit: APRIL 26, 2006

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to MS PCT, Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450.

By: 
 Name: ABBIE LARKIN

Mail Stop PCT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450

Sir:

• We are transmitting herewith the attached:

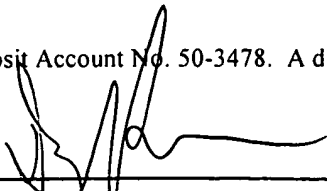
- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ National Stage PCT Patent Application: Spec. 17 pgs; 12 claims (2 pages); Abstract-1 pg.
The fee has been calculated as shown below in the 'Claims as Filed' table.
- ☒ 12 sheets of formal drawings
- ☒ A signed Combined Declaration and Power of Attorney
- ☒ Assignment of the invention to AIR OPERATION TECHNOLOGIES INC., Recordation Form Cover Sheet
- ☒ Check in the amount of \$1000.00 for the Filing Fee and \$40.00 for the Assignment Recording Fee
- ☒ Information Disclosure Statement, Form 1449, 2 references.
- ☒ Application Data Sheet, 3 pages.
- ☒ Other: Form PTO-1390, International Publication page of WO 2005/043053, translation of the International Application into English, Communication re: Requested Figure, Preliminary Amendment including marked-up copy of specification and clean copy (substitute) specification, translation of the amendments to the claims under PCT Article 19, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308, Form PCT/IPEA/409 (in Japanese language).
- ☒ Return postcard

CLAIMS AS FILED

| Number of Claims Filed | No. | In Excess of | Extra | Rate | Fee |
|--------------------------------------|-----|--------------|-------|--------|-----------|
| Total Claims | 12 | 20 | 0 | 50.00 | = 0.00 |
| Independent Claims | 1 | 3 | 0 | 200.00 | = 0.00 |
| Multiple Dependent Claims Fee | | | | | = 0.00 |
| Basic Filing Fee | | | | | = 300.00 |
| Search Fee | | | | | = 500.00 |
| Examination Fee | | | | | = 200.00 |
| Utility Application Size Fee | 37 | 100 | 0 | 250.00 | = 0.00 |
| Total | | | | | = 1000.00 |

Please charge any additional fees or credit overpayment to Deposit Account No. 50-3478. A duplicate of this sheet is enclosed.

Hamre, Schumann, Mueller & Larson, P.C.
 P.O. Box 2902-0902 Minneapolis, MN 55402
 612.455-3800

By: 
 Name: Douglas P. Mueller
 Reg. No.: 30,300
 Initials: DPM:nel

52835

PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)

S/N unknown

PATENT

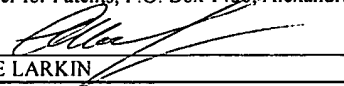
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|-------------|---------------------|-----------------|----------------|
| Applicant: | ISHII et al. | Examiner: | unknown |
| Serial No.: | unknown | Group Art Unit: | unknown |
| Filed: | concurrent herewith | Docket No.: | 10873.1894USWO |
| Title: | COOLING DEVICE | | |

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 858803569 US
Date of Deposit: APRIL 26, 2006

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 
Name: ABBIE LARKIN

COMMUNICATION REGARDING REQUESTED FIGURE

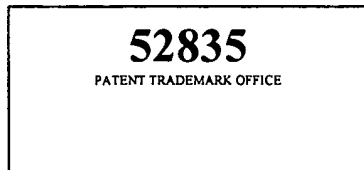
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

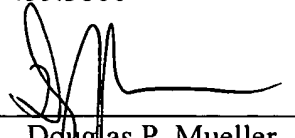
In connection with the above-identified application, applicant respectfully requests that Figure 2 be printed on the front page of the published application.

Respectfully submitted,

Hamre, Schumann, Mueller & Larson, P.C.
P.O. Box 2902-0902
Minneapolis, Minnesota 55402-0902
(612) 455.3800



Dated: APRIL 26, 2006

By 
Douglas P. Mueller
Reg. No. 30,300

DPM/nel